## I CLAIM:

<b>\psi</b> .	A method of determining a current draw of a pump
driven by a	electric motor having a power line and a motor-
control circ	tit connected to said power line, said method
comprising t	the steps of:

- (a) measuring a voltage drop across at least a portion of a conductor having a definite resistance and connecting said power line with said motor-control circuit; and
- (b) calculating said current draw from said voltage drop.
- 2. The method defined in claim 1 wherein said portion of said conductor having said resistance is a piece of current supply line connecting the power line with said motor-control circuit.
- 3. The method defined in claim 1 wherein the voltage drop is measured and the current draw is calculated from said voltage drop by a computing unit forming part of said motor-control circuit.

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1	4. The method defined in claim 1 wherein a current
2	measured in said portion of said conductor is converted into a
3	current draw of said pump.
1	5. The method defined in claim 1 wherein in
2	calculating said durrent draw from said voltage drop, a computer
3	unit forming part of said motor control circuit compensates for
	temperature of said portion of said conductor.  6. An electronically controlled beam especially comprising:
3 4 5 6	an electric motor having a power line connected thereto
4	for energizing said electric motor;
5	a motor control circuit connected to said motor and
6	said power line for electronically controlling said pump
7	assembly;
8	a pump driven by said motor; and
9	means for measuring a voltage drop across at least a
10	portion of a conductor having a definite resistance and

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connecting said power line with said motor control circuit and

calculating said current draw from said voltage drop.

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- 7. The assembly defined in claim 6 wherein said
  portion of said conductor is a piece of resistance wire with a
  known specific resistance and a defined length.
  - 8. The assembly defined in claim 6 wherein said portion of said conductor is a bridge between a plug contact to which said power line is connected and a printed circuit board carrying said motor control circuit, said bridge having a defined resistance.
  - 9. The assembly defined in claim 6 wherein said resistance is between 1 and 5 mg.
  - 10. The assembly defined in claim 6, further comprising a processor forming part of said motor control circuit and constituting the means for measuring and calculating.
- 11. The assembly defined in claim 10 wherein said
  2 processor is provided to compensate for the temperature of said
  3 portion of said conductor.

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